

Environmental Protection Agency

§ 421.223

BPT LIMITATIONS FOR THE SECONDARY MOLYBDENUM AND VANADIUM SUBCATEGORY—Continued

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
pH	(¹)	(¹)

¹ Within the range of 7.5 to 10.0 at all times.

(b) Molybdenum filtrate solvent extraction raffinate.

BPT LIMITATIONS FOR THE SECONDARY MOLYBDENUM AND VANADIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of technical grade molybdenum plus vanadium plus pure grade molybdenum produced	
Arsenic	121.720	54.162
Chromium	25.625	10.483
Lead	24.460	11.648
Nickel	111.819	73.964
Iron	69.887	35.526
Molybdenum	[Reserved]	[Reserved]
Ammonia (as N)	24114.000	10600.000
Total Suspended Solids	2387.800	1135.660
pH	(¹)	(¹)

¹ Within the range of 7.5 to 10.0 at all times.

(c) Vanadium decomposition wet air pollution control.

BPT LIMITATIONS FOR THE SECONDARY MOLYBDENUM AND VANADIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of vanadium produced by decomposition	
Arsenic	0.000	0.000
Chromium	0.000	0.000
Lead	0.000	0.000
Nickel	0.000	0.000
Iron	0.000	0.000
Molybdenum	0.000	0.000
Ammonia (as N)	0.000	0.000
Total suspended solids	0.000	0.000
pH	(¹)	(¹)

¹ Within the range of 7.5 to 10.0 at all times.

(d) Molybdenum drying wet air pollution control.

BPT LIMITATIONS FOR THE SECONDARY MOLYBDENUM AND VANADIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of molybdenum produced	
Arsenic	0.000	0.000
Chromium	0.000	0.000
Lead	0.000	0.000
Nickel	0.000	0.000
Iron	0.000	0.000
Molybdenum	0.000	0.000
Ammonia (as N)	0.000	0.000
Total suspended solids	0.000	0.000
pH	(¹)	(¹)

¹ Within the range of 7.5 to 10.0 at all times.

(e) Pure Grade Molybdenum.

BPT LIMITATIONS FOR THE SECONDARY MOLYBDENUM AND VANADIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of pure molybdenum produced	
Arsenic	48.655	21.650
Chromium	10.243	4.190
Lead	9.778	4.656
Nickel	44.698	29.566
Iron	27.936	14.201
Molybdenum	[Reserved]	[Reserved]
Ammonia (as N)	9638.000	4237.000
Total Suspended Solids	954.480	453.960
pH	(¹)	(¹)

¹ Within the range of 7.5 to 10.0 at all times.

[50 FR 38357, Sept. 20, 1985, as amended at 55 FR 31703, Aug. 3, 1990]

§ 421.223 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best available technology economically achievable.

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart shall achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable:

(a) Leach Tailings.

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**BAT LIMITATIONS FOR THE SECONDARY
MOLYBDENUM AND VANADIUM SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of technical grade molybdenum plus vanadium plus pure grade molybdenum produced	
Arsenic	27.120	12.097
Chromium	7.219	2.927
Lead	5.463	2.536
Nickel	10.731	7.219
Iron	23.413	11.902
Molybdenum	[Reserved]	[Reserved]
Ammonia (as N)	8078.000	3551.000

(b) Molybdenum filtrate solvent extraction raffinate.

**BAT LIMITATIONS FOR THE SECONDARY
MOLYBDENUM AND VANADIUM SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of technical grade molybdenum plus vanadium plus pure grade molybdenum produced	
Arsenic	80.952	36.108
Chromium	21.548	8.736
Lead	16.306	7.571
Nickel	32.031	21.548
Iron	69.887	35.526
Molybdenum	[Reserved]	[Reserved]
Ammonia (as N)	24114.000	10600.000

(c) Vanadium decomposition wet air pollution control.

**BAT LIMITATIONS FOR THE SECONDARY
MOLYBDENUM AND VANADIUM SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of vanadium produced by decomposition	
Arsenic	0.000	0.000
Chromium	0.000	0.000
Lead	0.000	0.000
Nickel	0.000	0.000
Iron	0.000	0.000
Molybdenum	0.000	0.000
Ammonia (as N)	0.000	0.000

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(d) Molybdenum drying wet air pollution control.

**BAT LIMITATIONS FOR THE SECONDARY
MOLYBDENUM AND VANADIUM SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of molybdenum produced	
Arsenic	0.000	0.000
Chromium	0.000	0.000
Lead	0.000	0.000
Nickel	0.000	0.000
Iron	0.000	0.000
Molybdenum	0.000	0.000
Ammonia (as N)	0.000	0.000

(e) Pure Grade Molybdenum.

**BAT LIMITATIONS FOR THE SECONDARY
MOLYBDENUM AND VANADIUM SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of pure molybdenum produced	
Arsenic	32.359	14.434
Chromium	8.614	3.492
Lead	6.518	3.026
Nickel	12.804	8.614
Iron	27.936	14.201
Molybdenum	[Reserved]	[Reserved]
Ammonia (as N)	9638.000	4237.000

[50 FR 38357, Sept. 20, 1985, as amended at 55 FR 31703, 31704, Aug. 3, 1990]

§ 421.224 Standards of performance for new sources.

Any new source subject to this subpart shall achieve the following new source performance standards:

(a) Leach tailings.

**NSPS FOR THE SECONDARY MOLYBDENUM AND
VANADIUM SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of technical grade molybdenum plus vanadium plus pure grade molybdenum produced	
Arsenic	27.120	12.097
Chromium	7.219	2.927
Lead	5.463	2.536